

EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT

```
PPPPPPPP  SSSSSSSS  EEEEEEEEE  CCCCCCCC  TTTTTTTTT  SSSSSSSS
PPPPPPPP  SSSSSSSS  EEEEEEEEE  CCCCCCCC  TTTTTTTTT  SSSSSSSS
PP      PP  SS      EE      CC      TT      SS
PP      PP  SS      EE      CC      TT      SS
PP      PP  SS      EE      CC      TT      SS
PP      PP  SS      EE      CC      TT      SS
PPPPPPPP  SSSSSS    EEEEEEEEE  CCCCCC    TTT      SSSSSS
PPPPPPPP  SSSSSS    EEEEEEEEE  CCCCCC    TTT      SSSSSS
PP      SS      EE      CC      TT      SS
PP      SS      EE      CC      TT      SS
PP      SS      EE      CC      TT      SS
PP      SSSSSSSS  EEEEEEEEE  CCCCCCCC  TT      SSSSSSSS
PP      SSSSSSSS  EEEEEEEEE  CCCCCCCC  TT      SSSSSSSS
                                     ....
                                     ....
                                     ....
                                     ....
```

```
RRRRRRRR  EEEEEEEEE  QQQQQQ
RRRRRRRR  EEEEEEEEE  QQQQQQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RRRRRRRR  EEEEEEEEE  QQ      QQ
RRRRRRRR  EEEEEEEEE  QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EE      QQ      QQ
RR      RR  EEEEEEEEE  QQQQ      QQ
RR      RR  EEEEEEEEE  QQQQ      QQ
```

+ This file, PSECTS.REQ, defines the macros for declaring program sections in BLISS.

```
*****
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```

Revision History:

Note: this first section of the revision history refers to RTLPSECT.

01-2 - Data PIC, NOSHR. TNH 19-Dec-77
01-03 - Make OWN be NOSHARE. TNH 6-Jan-77.
01-5 - Make OWN be PIC. TNH 27-June-78.
01-6 - Change name to RTLPSECT.REQ. JBS 14-NOV-78
1-007 - Add copyright notice. JBS 16-NOV-78
1-008 - Change PSECT names to start with "-", to conform to new RTL
standard. JBS 21-DEC-78
1-009 - Remove the PRINT statement, for the new BLISS compiler.
JBS 02-OCT-1979

End of revision history for RTLPSECT, beginning of revision history
for PSECTS.

1-010 - Created PSECTS from RTLPSECT. JBS 17-Dec-1980
1-011 - Update copyright notice. JBS 21-Jun-1983

--
Declare PSECTS for all EDT modules.

+ Macro to declare PSECTS for a facility, given the facility prefix.

The declarations are very dependent on the linker algorithm for sorting PSECTS. Currently that algorithm divides PSECTS into four groups depending on WRITE vs NOWRITE and EXECUTE vs NOEXECUTE. Therefore in order to get compact programs, PLIT is made EXECUTABLE to get it close to CODE.

Example of use:

PSECT DECLARATIONS:

DECLARE_PSECTS (FOR); ! Declare PSECTS for FOR\$ facility

Note: since the methodology manual does not yet specify where PSECT declarations go in a module, they are put between EQUATED SYMBOLS and OWN STORAGE (which is after INCLUDE files).

MACRO

DECLARE_PSECTS (FAC) =

PSECT

```
CODE = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
PLIT = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
OWN  = %NAME ('_', FAC, $DATA) (READ, WRITE, NOEXECUTE, NOSHARE, PIC, ADDRESSING_MODE (LONG_RELATIVE)),
GLOBAL = %NAME ('_', FAC, $DATA) (READ, WRITE, NOEXECUTE, NOSHARE, PIC, ADDRESSING_MODE (LONG_RELATIVE)) %
```

Define macro for declaring PIC (position independent) dispatch tables as OWN storage (would be better if BIND table = PLIT (...), however, BLISS doesn't allow table to be referenced inside PLIT definition, so use OWN storage instead). The OWN storage is temporarily defined to be same PSECT as code, then DECLARE_PSECTS should be called again to restore OWN to _fac\$DATA PSECT.

MACRO

DISPATCH_PSECTS (FAC) =

PSECT

```
CODE = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
PLIT = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
OWN  = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)),
GLOBAL = %NAME ('_', FAC, $CODE) (READ, NOWRITE, EXECUTE, SHARE, PIC, ADDRESSING_MODE (WORD_RELATIVE)) %
```

End of file PSECTS.REQ

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VAX/VMS V4.0

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